

Claims

- 1 1. In a data processing operation having stored data in  
2 a plurality of data files, a system for protecting said  
3 data files from unauthorized users comprising:  
4 means for receiving user requests for access to data  
5 files;  
6 means for determining whether said requests are  
7 unauthorized intrusions into said requested data files;  
8 and  
9 means, responsive to a determination that a request  
10 is an unauthorized intrusion, for changing the  
11 identification of the requested data files.
- 1 2. The data processing operation system of claim 1  
2 wherein said means for changing the identification of  
3 said requested data files change the overt identification  
4 of the requested files.
- 1 3. The data processing operation system of claim 2  
2 wherein said means for changing the overt identification  
3 of said requested data files rename said files.
- 1 4. The data processing operation system of claim 3  
2 wherein said file renames do not indicate the contents of  
3 the renamed files.
- 1 5. The data processing operation system of claim 4  
2 further including means for moving said renamed files  
3 into a new directory.

1 7. The data processing operation system of claim 6  
2 further including a log referencing each renamed file to  
3 the covert name of the respective file so as to indicate  
4 the covert location of said file in said new directory.

1 8. In a communication network with access to a plurality  
2 of network sites each having stored data in a plurality  
3 of data files accessible in response to requests from  
4 users at other sites in the network, a system for  
5 protecting said network site data files from unauthorized  
6 users comprising:

7 means associated with a network site for  
8 receiving user requests for access to data files;

9 means associated with said network site for  
10 determining whether said user requests are unauthorized  
11 intrusions into said requested data files; and

12 means associated with said network site responsive  
13 to a determination that a request is unauthorized for  
14 changing the identification of the requested data files.

1 9. The communication network system of claim 8 wherein  
2 said means for changing the identification of said  
3 requested data files change the overt identification of  
4 the requested files.

1 10. The communication network system of claim 9 wherein  
2 said means for changing the overt identification of said  
3 requested data files rename said files.

1 11. The communication network system of claim 10 wherein  
2 said file renames do not indicate the contents of the  
3 renamed files.

1 12. The communication network system of claim 11 further  
2 including means for moving said renamed files into a new  
3 directory.

1 13. The communication network system of claim 12 further  
2 including means for assigning to each of the renamed  
3 files a covert name indicating a covert location in said  
4 new directory for each of said renamed files.

1 14. The communication network system of claim 13 further  
2 including a log referencing each renamed file to the  
3 covert name of the respective file so as to indicate the  
4 covert location of said file in said new directory.

1 15. The communication network system of claim 8 wherein  
2 said network is the World Wide Web, and said network  
3 sites are Web sites.

1 16. In a data processing operation having stored data in  
2 a plurality of data files, a method for protecting said  
3 data files from unauthorized users comprising:

4 receiving user requests for access to data files;  
5 determining whether said requests are unauthorized  
6 intrusions into said requested data files; and  
7 changing the identification of the requested data  
8 files responsive to a determination that a request is  
9 unauthorized.

1 17. The data processing method of claim 16 wherein said  
2 step of changing the identification of said requested  
3 data files changes the overt identification of the  
4 requested files.

1 18. The data processing method of claim 17 wherein said  
2 step of changing the overt identification of said  
3 requested data files renames said files.

1 19. The data processing method of claim 18 wherein said  
2 file renames do not indicate the contents of the renamed  
3 files.

1 20. The data processing method of claim 19 further  
2 including the step of moving said renamed files into a  
3 new directory.

1 21. The data processing method of claim 20 further  
2 including the step of assigning to each of the renamed  
3 files a covert name indicating a covert location in said  
4 new directory for each of said renamed files.

1 22. The data processing method of claim 21 further  
2 including the step of forming a log referencing each  
3 renamed file to the covert name of the respective file so  
4 as to indicate the covert location of said file in said  
5 new directory.

1 23. In a communication network with access to a  
2 plurality of network sites each having stored data in a  
3 plurality of data files accessible in response to  
4 requests from users at other sites in the network, a  
5 method for protecting said network site data files from  
6 unauthorized users comprising:

7 receiving user requests for access to data files at  
8 a network site;

9 determining at said network site whether said user  
10 requests are unauthorized intrusions into said requested  
11 data files; and

12 changing the identification of the requested data  
13 files responsive to a determination that a request is  
14 unauthorized.

1 24. The communication network method of claim 23 wherein  
2 said step of changing the identification of said  
3 requested data files changes the overt identification of  
4 the requested files.

1 25. The communication network method of claim 24 wherein  
2 said step of changing the overt identification of said  
3 requested data files renames said files.

1 26. The communication network method of claim 25 wherein  
2 said file renames do not indicate the contents of the  
3 renamed files.

1 27. The communication network method of claim 26 further  
2 including the step of moving said renamed files into a  
3 new directory.

1 28. The communication network method of claim 27 further  
2 including the step of assigning to each of the renamed  
3 files a covert name indicating a covert location in said  
4 new directory for each of said renamed files.

1 29. The communication network method of claim 28 further  
2 including the step of forming a log referencing each  
3 renamed file to the covert name of the respective file so  
4 as to indicate the covert location of said file in said  
5 new directory.

1 30. The communication network method of claim 23 wherein  
2 said network is the World Wide Web, and said network  
3 sites are Web sites.



1 31. A computer program having code recorded on a  
2 computer readable medium for protecting data files from  
3 unauthorized users in a data processing operation having  
4 stored data in a plurality of data files, said program  
5 comprising:

6 means for receiving user requests for access to data  
7 files;

8 means for determining whether said requests are  
9 unauthorized intrusions into said requested data files;  
10 and

11 means responsive to a determination that a request  
12 is unauthorized for changing the identification of the  
13 requested data files.

1 32. The computer program of claim 31 wherein said means  
2 for changing the identification of said requested data  
3 files change the overt identification of the requested  
4 files.

1 33. The computer program of claim 32 wherein said means  
2 for changing the overt identification of said requested  
3 data files rename said files.

1 34. The computer program of claim 33 wherein said file  
2 renames do not indicate the contents of the renamed  
3 files.

1 35. The computer program of claim 34 further including  
2 means for moving said renamed files into a new directory.



1 38. A computer program having code recorded on a  
2 computer readable medium for protecting data files from  
3 unauthorized users in a communication network with access  
4 to a plurality of network sites each having stored data  
5 in a plurality of data files accessible in response to  
6 requests from users at other sites in the network, said  
7 program comprising:

8 means associated with a network site for  
9 receiving user requests for access to data files;

10 means at said network site for determining whether  
11 said user requests are unauthorized intrusions into said  
12 requested data files; and

13 means associated with said network site responsive  
14 to a determination that a request is unauthorized for  
15 changing the identification of the requested data files.

1 39. The computer program of claim 38 wherein said means  
2 for changing the identification of said requested data  
3 files change the overt identification of the requested  
4 files.

1 40. The computer program of claim 39 wherein said means  
2 for changing the overt identification of said requested  
3 data files rename said files.

1 41. The computer program of claim 40 wherein said file  
2 renames do not indicate the contents of the renamed  
3 files.

1 42. The computer program of claim 41 further including  
2 means for moving said renamed files into a new directory.

1 43. The computer program of claim 42 further including  
2 means for assigning to each of the renamed files a covert  
3 name indicating a covert location in said new directory  
4 for each of said renamed files.

1 44. The computer program of claim 43 further including a  
2 log referencing each renamed file to the covert name of  
3 the respective file so as to indicate the covert location  
4 of said file in said new directory.

1 45. The computer program of claim 38 wherein said  
2 network is the World Wide Web, and said network sites are  
3 Web sites.